Out[•]= $$K\left(\frac{6561\left(\sqrt{2}+\sqrt[4]{5}\right)^8\left(\sqrt{5}+1\right)^{12}}{4096\left(\sqrt{2}+1\right)^8\left(\sqrt{2}+\sqrt{5}\right)^8\left(\sqrt{10}+1\right)^4}\right)==\frac{\left(\sqrt{2}+1\right)^2\left(1+\sqrt[4]{5}\right)^4\left(\sqrt{2}+\sqrt{5}\right)^2\left(\sqrt{10}+1\right)\Gamma\left(\frac{1}{4}\right)^2}{18\left(\sqrt{2}+\sqrt[4]{5}\right)^2\left(\sqrt{5}+1\right)^4\sqrt{2\pi}}$$

Out[•]= $$K\left(1-\frac{6561\left(\sqrt{2}+\sqrt[4]{5}\right)^8\left(\sqrt{5}+1\right)^{12}}{4096\left(\sqrt{2}+1\right)^8\left(\sqrt{2}+\sqrt{5}\right)^8\left(\sqrt{10}+1\right)^4}\right)==\frac{\left(\sqrt{2}+1\right)^2\left(1+\sqrt[4]{5}\right)^4\left(\sqrt{2}+\sqrt{5}\right)^2\left(\sqrt{10}+1\right)\Gamma\left(\frac{1}{4}\right)^2}{45\left(\sqrt{2}+\sqrt[4]{5}\right)^2\left(\sqrt{5}+1\right)^4\sqrt{2\pi}}$$

Out[•]= $$\frac{K\left(\frac{6561\left(\sqrt{2}+\sqrt[4]{5}\right)^8\left(\sqrt{5}+1\right)^{12}}{4096\left(\sqrt{2}+1\right)^8\left(\sqrt{2}+\sqrt{5}\right)^8\left(\sqrt{10}+1\right)^4}\right)}{K\left(1-\frac{6561\left(\sqrt{2}+\sqrt[4]{5}\right)^8\left(\sqrt{5}+1\right)^{12}}{4096\left(\sqrt{2}+1\right)^8\left(\sqrt{2}+\sqrt{5}\right)^8\left(\sqrt{10}+1\right)^4}\right)}==\frac{5}{2}$$

Out[•]= $$1-\frac{6561\left(\sqrt{2}+\sqrt[4]{5}\right)^8\left(\sqrt{5}+1\right)^{12}}{4096\left(\sqrt{2}+1\right)^8\left(\sqrt{2}+\sqrt{5}\right)^8\left(\sqrt{10}+1\right)^4}==\frac{324\sqrt{2}\left(\sqrt{2}+\sqrt[4]{5}\right)^4\left(\sqrt{5}+1\right)^6}{\left(\sqrt{2}+1\right)^4\left(1+\sqrt[4]{5}\right)^{12}\left(\sqrt{2}+\sqrt{5}\right)^4\left(\sqrt{10}+1\right)^2}$$